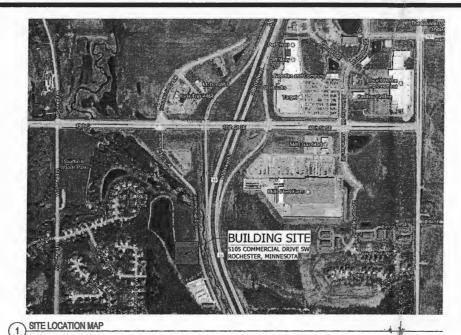
Heartland Gun Club and Range



CITY REVIEW - CUP APPLICATION

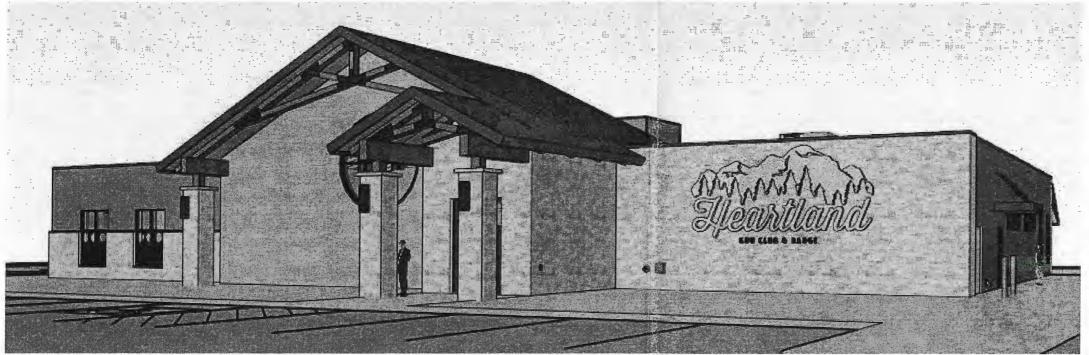


Heartland Gun Club and Range



Architecture | Engineering | Planning Hammel, Green and Abrahamson, Inc. 202 1st Avenue SW Rochester, Minnesota USA 55902 Telephone 507.281.8688

hga commission number: 4029-001-00 NOVEMBER 1, 2017

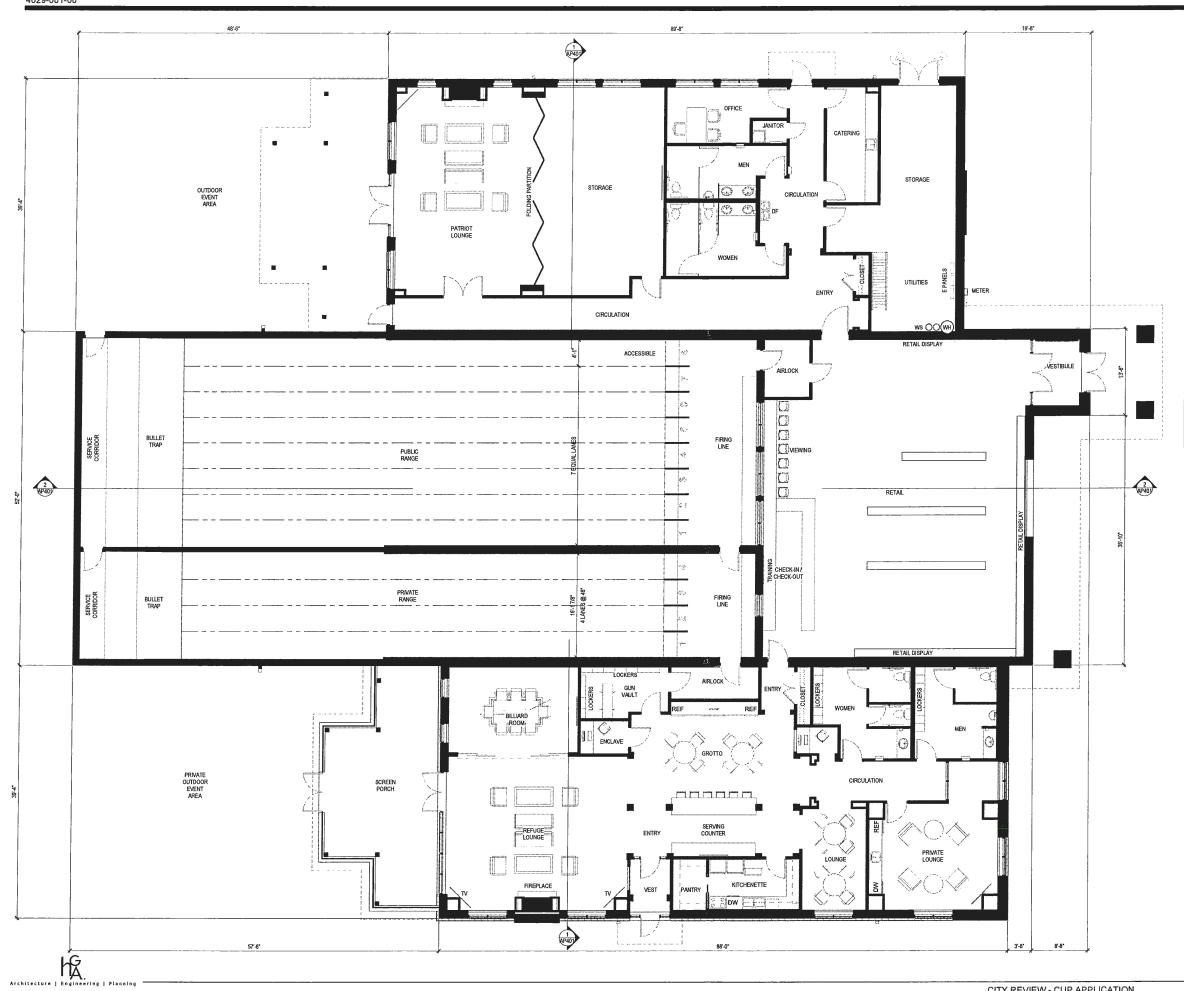


DR	AWING INDEX - CUP APPLICATION					
NUMBER	SHEET NAME					
AP201	FLOOR PLAN					
AP400	EXTERIOR ELEVATIONS					
AP401	BUILDING SECTIONS					
C000	TOPO AND BOUNDARY SURVEY					
C300	SITE LAYOUT AND SURFACING PLAN					
C400	SITE GRADING AND UTILITY PLAN					
E030	ELECTRICAL SITE PLAN					
RE000	RANGE EQUIPMENT DRAWING					

PROJECT INFORMATION

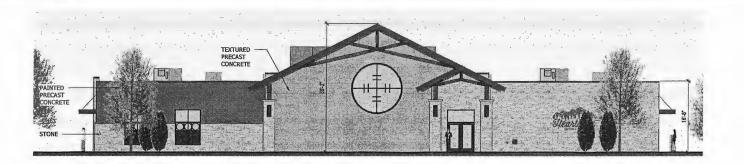
HEARTLAND GUN CLUB AND RANGE	
PROJECT ADDRESS: 5105 COMMERCIAL DRIVE SW ROCHESTER, MN	٠. ٠
PROJECT DESCRIPTION: GUN CLUB, RETAIL SALES AND INDOOR	R SHOOTING RANGE
OCCUPANCY: A-3	MIXED OCCUPANCY: NO
PROPOSED USE: INDOOR RECREATION	ZONING DISTRICT: B-4
REQUIRED FIRE SEPARATION: N/A	TYPE OF CONSTRUCTION: V-8
GROSS SQUARE FEET: 15,009 8F	
HEIGHT OF BUILDING: 30'-4"	STORIES:
ALLOWABLE FLOOR AREA (WITH AREA INCREASES): 28,500 SF	
MAXIMUM HEIGHT OF BUILDING: 40'-0"	MAXIMUM NUMBER OF STORIES:



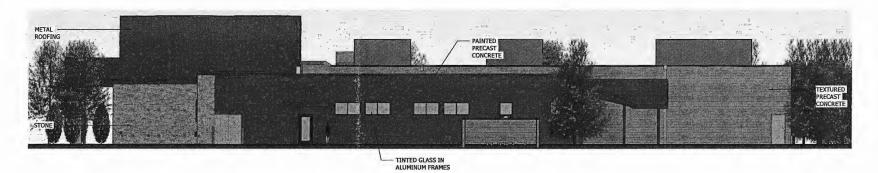


RO	OM AREA S	CHEDULE
Name	Count	Area
FIRING LINE	1	228 SF
FIRING LINE	1	449 SF
PUBLIC RANGE	1	2,420 SF
PRIVATE RANGE	1	1,230 SF
BULLET TRAP	1	201 SF
BULLET TRAP	1	391 SF
SERVICE CORRIDOR	1	130 SF
SERVICE CORRIDOR	1	67 SF
AIRLOCK	1	63 SF
VESTIBULE	1	78 SF
CIRCULATION	1	380 SF
RETAIL	1	1,665 SF
CHECK-IN / CHECK-OUT	1	164 SF
PATRIOT LOUNGE	1	679 SF
STORAGE	1	639 SF
STORAGE	1	365 SF
ENTRY	1	129 SF
CLOSET	1	13 SF
CATERING	1	142 SF
JANITOR	1	19 SF
OFFICE	1	141 SF
CIRCULATION	1	186 SF
MEN	1	137 SF
WOMEN	1	182 SF
VIEWING	1	114 SF
UTILITIES	1	160 SF
BILLIARD ROOM	1	265 SF
GUN VAULT	1	102 SF
AIRLOCK	1	68 SF
ENCLAVE	1	38 SF
ENTRY	1	37 SF
CLOSET	1	18 SF
WOMEN	1	191 SF
MEN	1	180 SF
PRIVATE LOUNGE	1	357 SF
LOUNGE	1	155 SF
VEST	1	51 SF
PANTRY	1	41 SF
KITCHENETTÉ	1 1	111 SF
SERVING COUNTER	1	154 SF
ENTRY	1	45 SF
REFUGE LOUNGE	1	658 SF
GROTTO	1	414 SF
CIRCULATION	1	134 SF
CHECK-IN	1	28 SF
Total: 45	45	13,419 SF

GROSS AREA: 14,825 SF

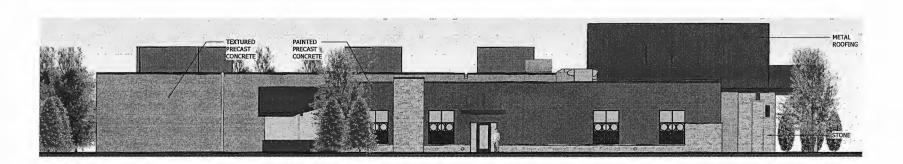


EAST ELEVATION

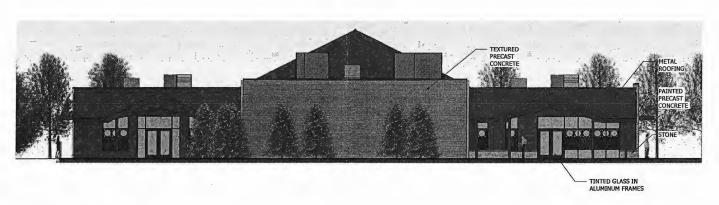


NORTH ELEVATION

1/8" = 1"-0"

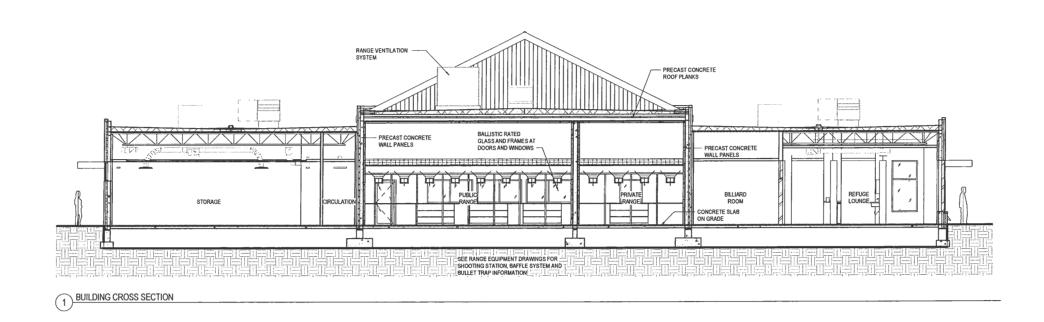


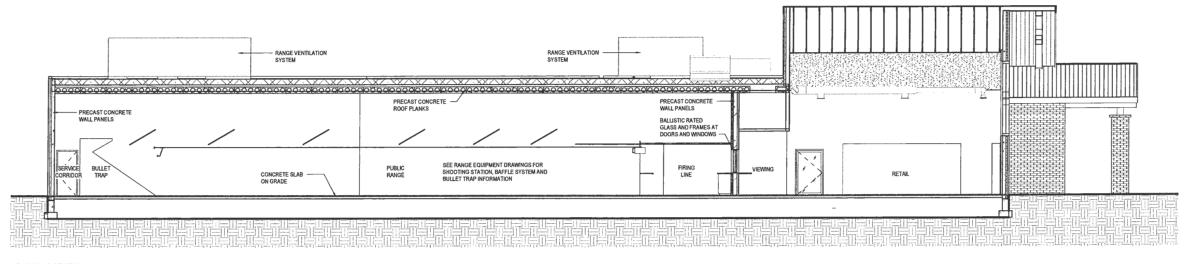
3 SOUTH ELEVATION



WEST ELEVATION
1/8" = 1'40"

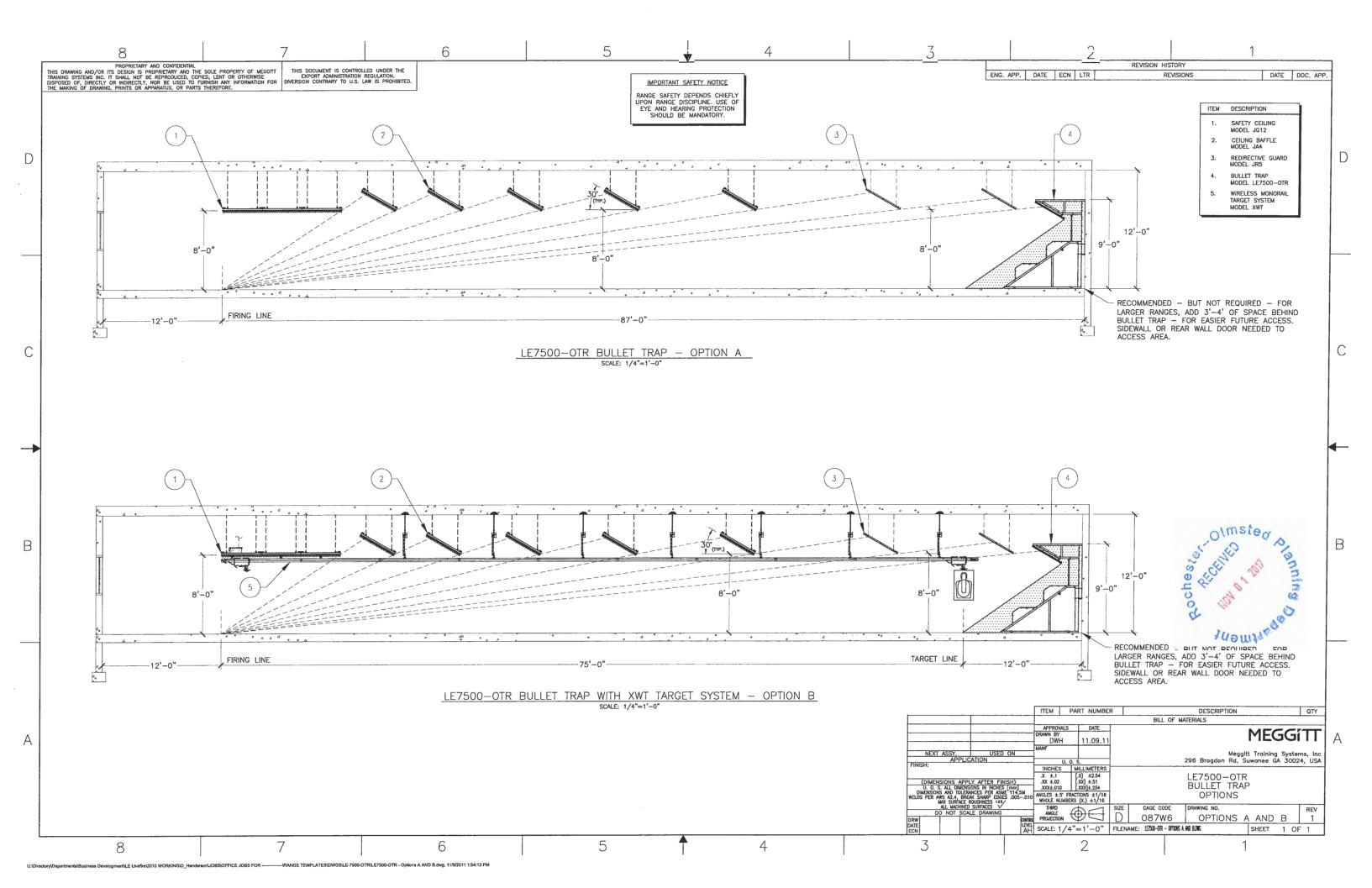


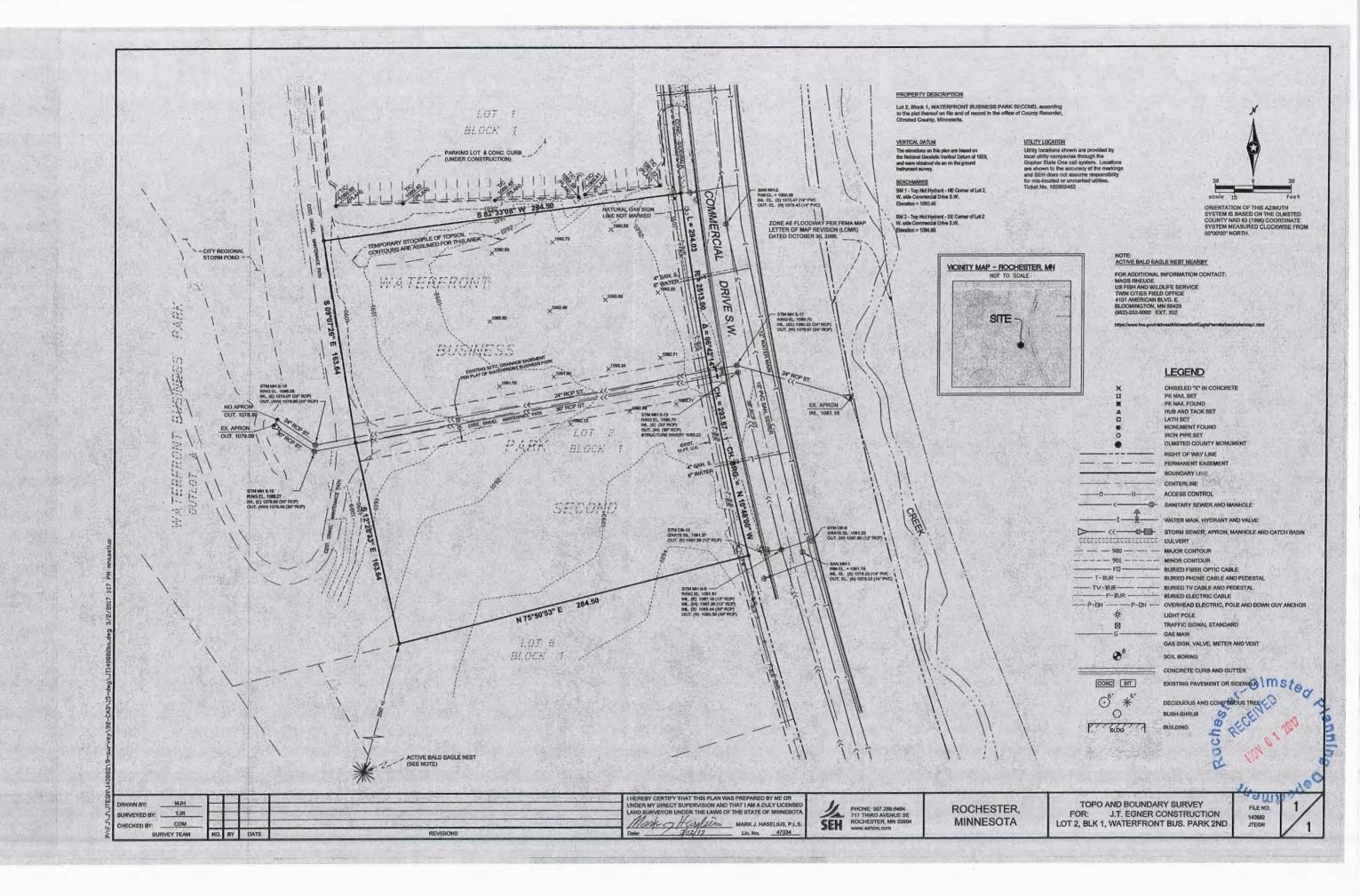


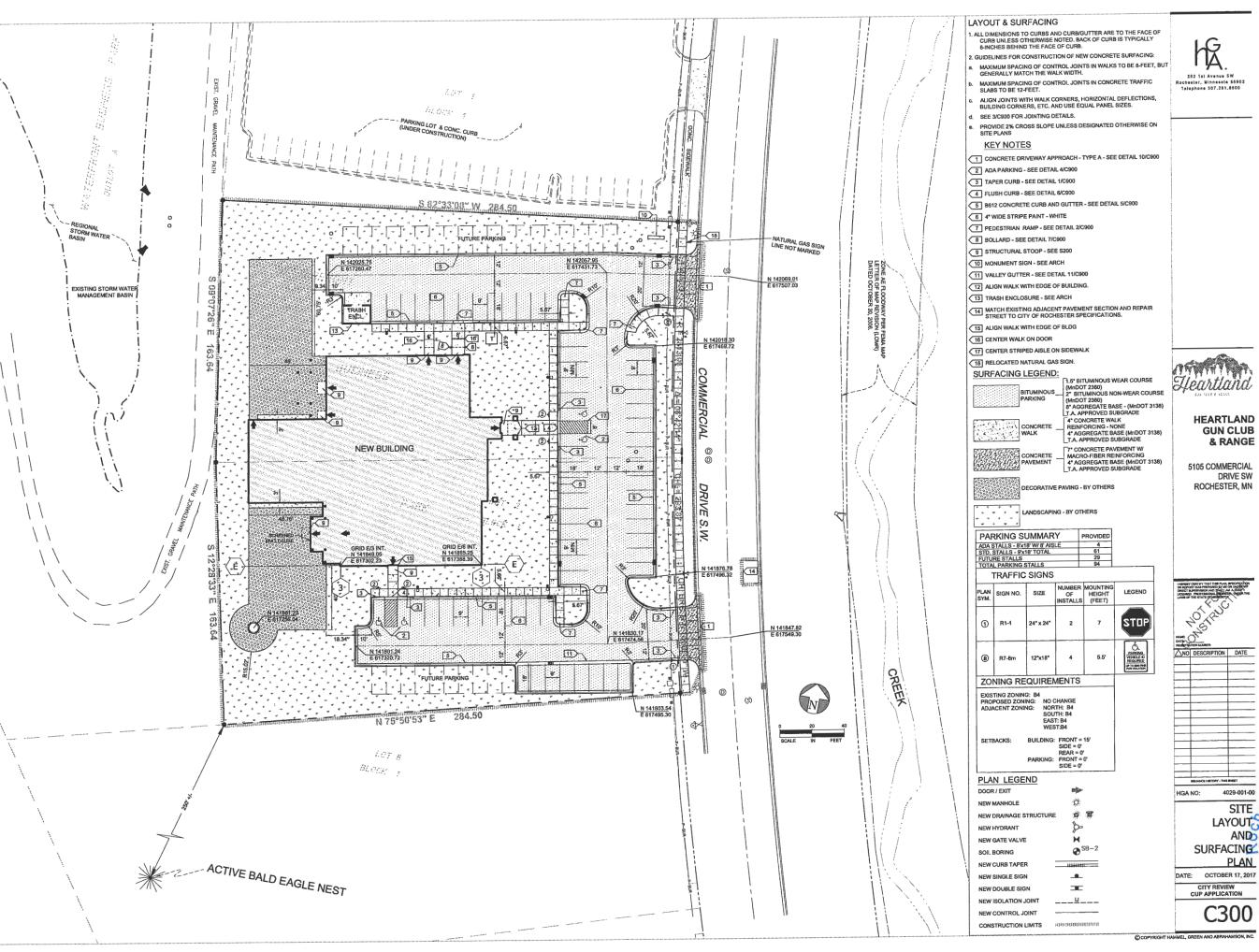


2 BUILDING SECTION













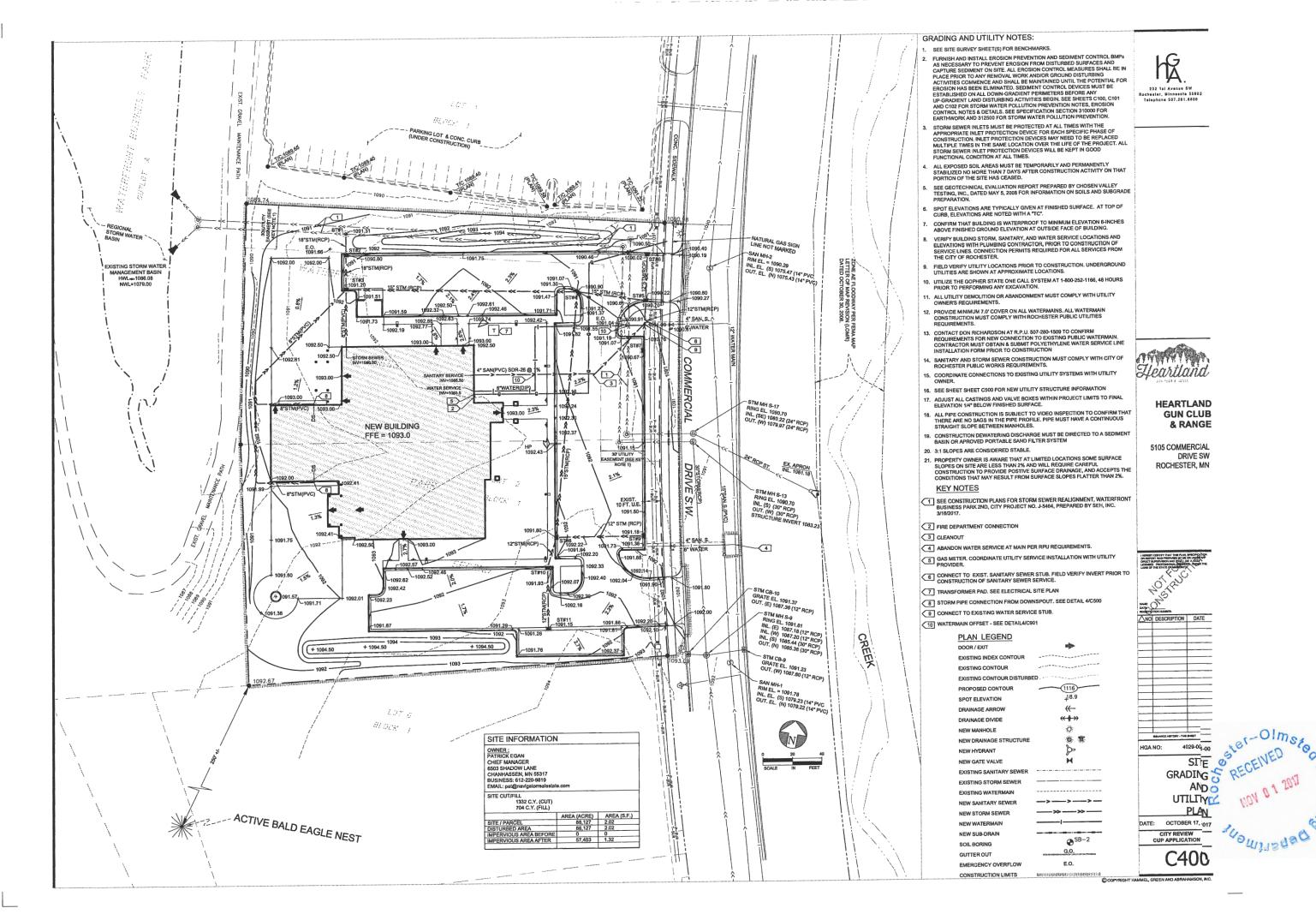
HEARTLAND GUN CLUB & RANGE

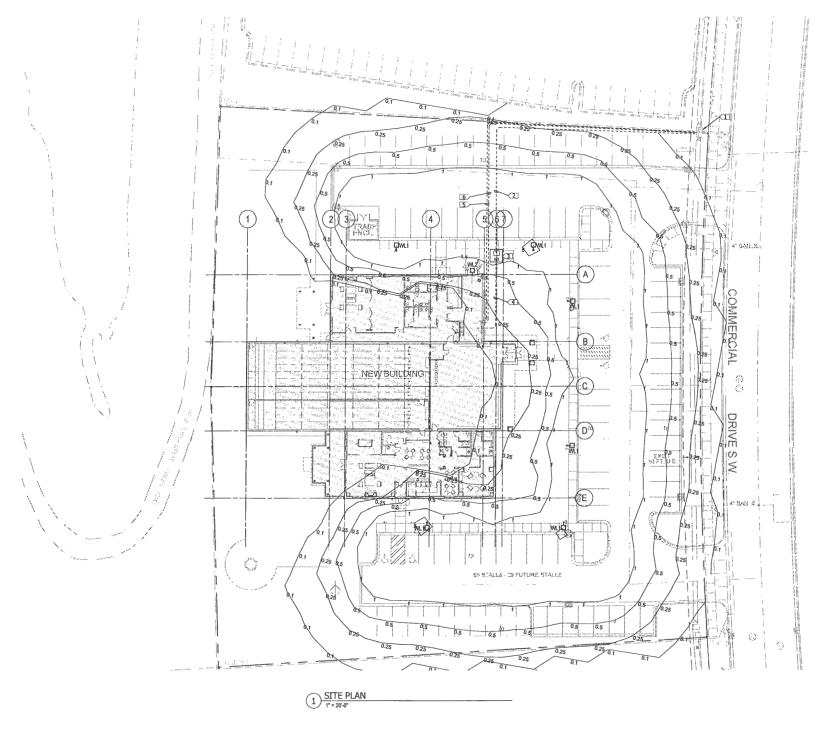
5105 COMMERCIAL DRIVE SW ROCHESTER, MN

SITE OS OF NED LAYOUT AND SURFACING Depertmen

PLAN

C300





	LUMINAIRE SCHEDULE											
AUTHORXXXX												
				VOLTAG	LAMP/LUMEN	BALLAST/POWER		MANUFACTURE				REVISION
TYPE	DESCRIPTION	MOUNTING	LENS/REFLECTOR	E	S	SUPPLY	WATTS	R	CATALOG NUMBER	EQUAL MANUFACTURERS	NOTES	HISTORY
WL1		20' SQUARE STEEL POLE			122400		110 VA	BEACON	VPS/48NB-110/4K/T4UNV/ /RA/BBT	KIM, LITHONIA, INVUE		
	AREA LIGHT, TYPE V DIST				LUMENS 4K				<u> </u>			
WL2	WALL MOUNTED EXTERIOR LED	WALL MOUNT		120 V	2000 LUMENS		22 VA	HUBBELL	LNC-9LU-4K-3-1			
					4K		L			L	1	

GENERAL NOTES:

- A. SITE UTILITY SCOPE TO BE COORDINATED WITH (INSERT LOCAL UTILITY).
- B. BRANCH CIRCUIT HOMERUNS SHALL BE SIZED TO LIMIT VOLTAGE DROP TO 3%
 MAXIMUM. USE #8 IN 1" PVC CONDUIT
 MINIMUM.
- C. REFER TO GROUNDING PLAN FOR GROUNDING REQUIREMENTS.
- D. EFER TO ELECTRICAL DETAILS SHEETS FOR POLE BASE INFORMATION, LIGHTING CONTROL DIAGRAMS, AND ZONE SCHEDULES.
- E. LIGHT POLES SHALL BE A MINIMUM OF 2' FROM CURBS AND SIDEWALK EDGES.
- F. ALL EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL ANDIOR ASTRONOMICAL TIMECLOCK THROUGH RELAY AND INTERFACED WITH BAS SYSTEM. EXTERIOR LIGHT SHALL TURN OFF WHEN ADEQUATE DAYLIGHT IS AVAILABLE. CLOCK, RELAY & BAS SYSTEM.
- G. HOURS OF ILLUMINATION FOR PARKING AREAS: 50% OUTPUT FOR THE HOURS OF 12:00 AM TO 5:00 AM 100% OUTPUT FOR ALL OTHER TIMES THAT PHOTOCELL IS ON
- H. COORDINATE TELECOMMUNICATIONS AND TV SITE CONDUIT REQUIREMENTS WITH OWNER AND UTILITY. PROVIDE ALL REQUIRED SPLICES, PULLBOXES AND CABLE LENGTHS IN ACCORDANCE WITH UTILITY'S STANDARDS.
- I. CONDUIT ROUTES AS SHOWN ARE DIAGRAMMATIC IN NATURE. FIELD VERIFY ACTUAL CONDUIT ROUTES PRIOR TO INSTALLING CONDUIT, PULLBOXES PROVIDE PULL BOXES FOR SITE CABLING AS REQUIRED, BUT NOT TO EXCEED MORE THAN 200' BETWEEN BOXES.

KEYNOTES:

- EXISTING RPU JUNCTION CABINET.
- PROVIDE 4" SCHEDULE 40 PVC CONDUIT FROM RPU JUNCTION CABINET TO NEW TRANSFORMER FOR PRIMARY SERVICE CABLE, COORDINATE WITH RPU.

Œ

- 3. PROVIDE CONCRETE PAD FOR NEW RPU
 UTILITY TRANSFORMER AND CONTRACTOR
 PROVIDED CONNECTION CABINET.
 COORDINATE WITH REVUL VERIFY THE FINAL
 LOCATION IS ACCEPTABLE BEFORE ROUGH-IN.
- PROVIDE UNDERGROUND SERVICE LATERAL FROM CONNECTION CABINET TO SERVICE PANEL L01. SEE RISER DIAGRAM SHEET E010. CODEDINATE CROSSOVERS WITH OTHER SERVICES.
- 5. PROVIDE 3* PVC CONDUIT UNDERGROUND OUT TO PROPERTY LINE FOR CHARTER COMMUNICATIONS. COORDINATE FINAL LOCATION WITH CHARTER COMMUNICATIONS.
- PROVIDE 3* PVC CONDUIT UNDERGROUND OUT TO PROPERTY LINE FOR CENTURYLINK. COORDINATE FINAL LOCATION WITH CENTURYLINK.





HEARTLAND GUN CLUB & RANGE

5105 COMMERCIAL DRIVE SW ROCHESTER, MN



E030

COPYRIGHT HAMMEL, GREEN AND ABRAHAMSON, INC.